# **Special Issue**

## Advances in Wide Bandgap Semiconductor for Power Device Applications

### Message from the Guest Editor

Wide-bandgap semiconductors are considered as materials for the next generation of power devices. SiCbased switches and diodes are commercially available and have led to a significant improvement of power efficiency. Gallium nitride is another promising widebandgap semiconductor that can be used for highfrequency and high-power amplifier applications. Although the bulk properties of SiC and GaN substrates are much better than those of Si substrates, the current SiC and GaN power devices are not utilizing their full potential because of performance limitations originated from interface and gate stacks. This Special Issue hopes to provide a timely overview of the recent progress on wide-bandgap semiconductors and to highlight any remaining issues that need to be addressed in the future.

### **Guest Editor**

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#### Deadline for manuscript submissions

closed (15 August 2021)



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## Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Flavio Canavero Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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